

**SIMON FRASER UNIVERSITY**

**MEMORANDUM**

**To:** Senate

**From:** R. Blackman, Chair  
Senate Committee on Undergraduate Studies

*R. Blackman*

**Subject:** Faculty of Applied Sciences – Proposed changes to Grade 12 Admission Requirements  
(SCUS Reference 05-11)

**Date:** May 25, 2005

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Action undertaken at the May 25, 2005 meeting of the Senate Committee on Undergraduate Studies gives rise to the following motion:

**That Senate approve the changes to Grade 12 Admission Requirements for the following programs in the Faculty of Applied Sciences: Communication, Computing Science, Geographic Information Science, General Studies (BGS), Interactive Arts and Technology, and Kinesiology as outlined in attached Proposal (Revision B) effective September 1, 2006.**

The revisions are highlighted in the attached document and the Calendar will be revised accordingly.

# Grade 12 Admission Model Proposal

SCUS 05-11  
(formerly 04-32)

Faculty of Applied Sciences (FAS)

Revision B

## Preamble

The Faculties of Arts and Social Sciences, Science, and Business Administration have fairly simple admission requirements. The Faculty of Applied Sciences, on the other hand, has very complex admission requirements, due to the diversity of programs offered within the Faculty. If FAS continues with the current model admission promises to become more complicated over time as new programs are introduced.

This proposal simplifies admission to FAS by creating five static categories for admission.

## Proposed Model

Category	Model A	Model B	Model C	Model D	Model E
<b>Program</b>	<ul style="list-style-type: none"> <li>• Communication</li> </ul>	<ul style="list-style-type: none"> <li>• Computing Science</li> <li>• Geog Info Science</li> <li>• General Studies (BGS)</li> </ul>	<ul style="list-style-type: none"> <li>• Interactive Arts &amp; Technology</li> <li>• TechOne</li> </ul>	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>	<ul style="list-style-type: none"> <li>• Kinesiology</li> </ul>
<b>List 1</b>	- one course	- one course	- one course	- one course	- one course
<b>List 2</b>	<ul style="list-style-type: none"> <li>- one math or science course</li> <li>- one social science or humanities course</li> </ul>	<ul style="list-style-type: none"> <li>• one math course</li> <li>• one of biology 12, chemistry 12, or principles of physics 12</li> </ul>	<ul style="list-style-type: none"> <li>• Principles of mathematics 12</li> <li>• One list 2 Science course</li> </ul>	<ul style="list-style-type: none"> <li>• Principles of mathematics 12</li> <li>• chemistry 12</li> <li>• principles of physics 12</li> </ul>	<ul style="list-style-type: none"> <li>• one math course</li> <li>• two of biology 12, chemistry 12, or principles of physics 12</li> </ul>
<b>List 2 or List 3</b>	- two additional courses; if both are from List 3, they must be from different groups	<ul style="list-style-type: none"> <li>• one additional math, science, or social science course</li> <li>• one additional course</li> </ul>	<ul style="list-style-type: none"> <li>• - two additional courses; if both are from List 3, they must be from different groups</li> </ul>	<ul style="list-style-type: none"> <li>• one additional course</li> </ul>	<ul style="list-style-type: none"> <li>• one additional course</li> </ul>

## Recommendations

1. FAS adopt a five-category model of admission as outlined above.
2. Each Program within each Category may set a distinct admission average threshold in order to meet their respective admission targets.

# British Columbia and Yukon Applicants

Applicants from BC or Yukon may be admitted from:

- secondary school (see below)
- community or university college (see "Admission from BC and Yukon Community and University Colleges" on page 30)
- another university (see "BC University Transfer" on page 31)

Several special categories of admission also exist for BC applicants (see "Special Categories" on page 31).

## Admission from British Columbia and Yukon Secondary Schools

All applicants (except as noted) must graduate from secondary school before entering SFU.

Students may apply for general admission (Faculty of Arts and Social Sciences requirements) or for direct entry to a number of programs as shown on the chart below.

Applicants must have

- one course from list 1
- two from list 2
- two further courses from list 2 or 3 (see chart below)

Actual final percentage marks will be used whenever available. If not given, the following equivalents are used to compute the average (for BC high school admission only). A = 4.0 or 91%; B = 3.0 or 79%; C+ = 2.5 or 70%; C = 2.0 or 64%

### Grade 11 requirements 2004–2005; not used in admission average calculation

Faculty	Applied Sciences						Arts and Social Sciences	Business	Science
	Communication	Computing Science	Engineering Science	General Studies	Kinesiology	Tech One			
	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11 (or applications of mathematics 11 and 12)</li> <li>• science 11**</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• science 11**</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• chemistry 11</li> <li>• principles of physics 11</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• one of biology 11, chemistry 11 or principles of physics 11</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• chemistry 11</li> <li>• principles of physics 11</li> <li>• biology 11</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• science 11**</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11 (or applications of mathematics 11 and 12)</li> <li>• science 11**</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• science 11**</li> </ul>	<ul style="list-style-type: none"> <li>• English 11 or Français première langue 11</li> <li>• language 11*</li> <li>• principles of mathematics 11</li> <li>• chemistry 11</li> <li>• principles of physics 11</li> </ul>

\*language 11 = beginner's language 11, American sign language 12 and language 12 courses are accepted  
 \*\*science 11 = applications of physics 11 and 12, biology 11, chemistry 11, earth science 11, forests 11, IB environmental systems 11, principles of physics 11

### Grade 12 requirements 2004–2005 – admission average calculated on five best courses as specified below

Faculty	Applied Sciences						Arts and Social Sciences	Business	Science
	Communication	Computing Science	Engineering Science	General Studies	Kinesiology	Tech One			
List 1	one list 1 course	one list 1 course	one list 1 course	one list 1 course	one list 1 course	one list 1 course	one list 1 course	one list 1 course	one list 1 course
List 2	two list 2 courses	principles of mathematics 12 one list 2 science course	principles of mathematics 12 chemistry 12 physics 12	principles of mathematics 12 one of biology 12, chemistry 12, or principles of physics 12	principles of mathematics 12 two of biology 12, chemistry 12 or principles of physics 12	principles of mathematics 12 one science course	two list 2 courses	principles of mathematics 12 one additional list 2 course	principles of mathematics 12 two of biology 12, chemistry 12, geology 12, principles of physics 12
List 3	two additional courses (if both are from list 3 they must be from different groups)	one social science or fine and performing arts course, or one list 2 humanities course one additional math or science course	one additional course	one social science or fine and performing arts course one additional course	one additional course	one fine and performing arts course (recommended) or one social science course one additional course	two additional courses (if both are from list 3 they must be from different groups)	two additional courses (if both are from list 3 they must be from different groups)	one additional course

Note: Advanced Placement (APP) and International Baccalaureate (IB) courses may be used in place of equivalent provincially approved BC grade 12 courses. APP and IB courses are included in this chart only if they are not equivalent to an existing grade 12 course. Approved equivalent Programme Cadre and French Immersion courses are acceptable for admission. Locally developed courses, however, are not acceptable.

### Course Lists

Faculty	Course Lists			
List 1	English 12, Français première langue 12			
List 2	<b>Mathematics Group</b> principles of mathematics 12, AP calculus AB/BC 12, AP statistics 12, IB mathematics with calculus A/B	<b>Humanities Group</b> English literature 12, Français communication et littérature 12, AP Spanish literature 12,	<b>Sciences Group</b> biology 12, chemistry 12, geology 12, principles of physics 12, AP computer science A/AB 12, AP environmental science 12, IB computer science studies 12, IB environmental systems 12	<b>Social Sciences Group</b> geography 12, history 12
List 3	<b>Arts and Performing Arts Group</b> foundations 12, dance, geography 12, dance performance 12, drama film and TV 12, theatre performance 12 (acting, directing and script development, technical theatre, or theatre management), studio arts 12 (drawing and painting, ceramics and sculpture, print-making and graphic design, fabric and fibre), visual arts media arts 12, writing 12	<b>Humanities Group</b> comparative civilizations 12, IB theory of knowledge (philosophy) 12, Languages: Arabic 12, French 12 or 12A, or Français langue seconde 12, German 12, Italian 12, Japanese 12, Latin 12, Mandarin 12, Okanagan 12, Punjabi 12, Russian 12, Secwepemctsin 12, Spanish 12, Upper St'at'imcets 12, Français Première langue 12 (if English 12 has also been taken)	<b>Sciences Group</b> calculus 12, forests 12, information technology 12	<b>Social Sciences Group</b> BC First Nations 12, economics 12, journalism/media 12, law 12, AP comparative government and politics 12, AP psychology 12, AP US government and politics 12, IB business and organization 12, IB psychology, IB social anthropology 12